G. R. S. IX—5]

Previous references (1923-24 Pol.)

File No. 36-23

Serial Nos. 14-13

Later references

Pol. 12-27

(35)

GENERAL AND REVENUE SECRETARIAT

Serial Nos. Thirteen

Part B for September 1924

SUBJECT re Improvements in Wireless aerials for use in ~~boat~~ wireless signalling by Marconi's Wireless Telegraph Company Limited London

8(13) To the Supdt. Govt. Museum
" Chief Engineer
" Dept of I.& C.
No. I.C 1759-61 d 9/9/24

Forwards each a Copy of the Specification for record

Mrs

M A Rahman
20/9/24

5601

G. R S. 11] 1924

GENERAL AND REVENUE SECRETARIAT.

Pat)

NOTES.

No. 36-23

FILE HEADING.

Invention No. 13/23.24 for "Improvements in aerials for use in Wireless signalling by Marconi's Wireless Telegraph Company, Ltd, London

From

messrs Rempsey & Son Calcutta

No. Letter Dated 17-6-24 Received 23-6-24

Diary No. 5-601	Enclos. 3	Spare Copies.	Serial No.

BRIEF ABSTRACT OF LETTER.

Request permission to file a Specification in respect of an invention for "Improvements in aerials for use in wireless Signalling

NOTES AND ORDERS.

Submitted with 3 dfts & a T. R. Receipt

24/6/24.

Issue -

24/6/24

NOTES—First Sheet.

37

12

G. R. S. III-2,

General and Revenue Secretariat. | Pol. File No. 36 of 19 23

Serial No.	
2.	To Messrs Remfrey & Son, Calcutta No. C 7855 of 2616. With reference to their application from regarding attestation & acknowledging the receipt of the sum of Rs 12-4-0 remitted on account of appl[n] & stamp fees
3	To The Director of Ptg No. C 7857 of 2616. For Report re appl[n] received with same
4	To The Superintendent of Stamps No. C 7856 of 2616. For re deed of assignment & Power of Attorney received from Secy, forwarding impressed with re Stamps of Rs Value of annas 12 and 1/2 Rs respectively
5	From — do — No. 3 & 2/7/24 Returns the documents referred to on 31.7.24 Fair draft 2/7/24

Issue
31/7/24

NOTE—Contn. sheet.

37 618

G. R. S. III-2]

WD 2310—GPP—10,000—81 5-24

General and Revenue Secretariat | Pol. File No. 86 of 1924

Serial No. 6

To

The Secretary of Steamships
Bombay

Yr. Reference No. 5717.

Yr. Reference No. 5857 acknowledges the receipt of the deed of assignment & the Power of Attorney.

From the Govt. of Bdy
No. G. 118 dt. 1/2nd Aug. 24
states that leave may be granted to file the Specification filed with 2 drgs.

No. 578/24

As recommended by the Govt of Bdy leave to file the Specification may be granted Marconi Wireless Telegraph Company.

SMM 6/8 19.8.

Rec'd Secy

SMM 9/8

2nd member

436/198

I agree

SMM 20/8

SMM 20/8

GEN'L SECRETARIAT
10 JUL 1924
INDUSTRIES & COMMERCE
BRANCH.

NOTE—Contn. sheet.

1159 18

14

G. R. S. III-2

General and Revenue Secretariat. | Pal° File No. 36 of 19 24.

Serial No.	
8	To Marconi's Wireless Telegraph Co. Ltd., London Nil. C 1259 of 1918 Authorities have to file the Specification
9	To Messrs. Remfry & Son Calcutta Nil. C 1260 of 1918. Forwards copy of the [illegible] Supra & requests them to intimate the fact to the party concerned
10	From Messrs: Remfry & Son, forwards 4 copies of Specifi. Calcn & advise the remittance of Rs. 30/- on a/c of fees. The filing fee has been paid vide 4 cheques & the T. R. Receipt 579/24. Issue SM 5/9
11	To The Comptroller, Patents Branch Nil. C 1257 of 9/9/24. Notifies us filing of the Specification
12	To Messrs Remfry & Son Calcutta Nil. C 1258 of 9/9/24 P. T. O

GEN. & REV. SECRETARIAT
2 AUG 1924
INDUSTRIES & COMMERCE BRANCH.

NOTE—Contn. sheet.

1159

F. R. S. III-2]

WD 2310—GPB—10,000—81-5-24

General and Revenue Secretariat. | Pol. File No. 36 of 1923

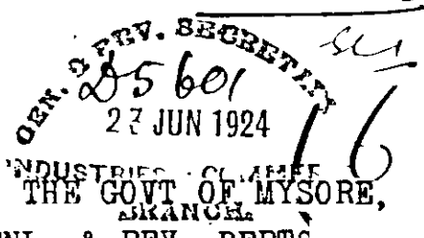
Serial No.	
	Forwards copy of Sec(11) & Returns & Certificate received with Sec(10) duly filled in & signed
13	To The Supdt. Govt. Museum & Chief Engr & & Director of Ptc No. C 17 Sy-61 & 919 Forwards each a copy of the Specification for Record in his office

GEN. & REV. SECRETARIAT
17 SEP 1924
INDUSTRIES & COMMERCE
BRANCH.

NOTE—Contn. sheet.

Pat 36-23

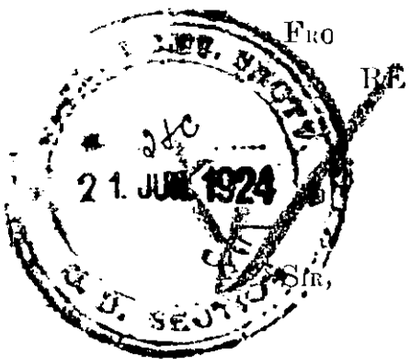
REGISTERED.



To

THE ~~CONTROLLER OF PATENTS~~, SECY TO THE GOVT OF MYSORE,
~~PATENT OFFICE~~, GENL. & REV. DEPTS
~~CALCUTTA.~~ BANGALORE,
MYSORE.

38832



FROM REMFRY & SON,
PATENT & TRADE-MARK ATTORNEYS,
CALCUTTA.

Invention No 13/23.24

Dated CALCUTTA, the 17th June 1924.

DEPT. P.	FILE LR. M.
FILE INDICATION.	
Mysore Pats. (Genl)	

re MARCONI'S WIRELESS TEL.CO.LD. (MYSORE)

(U.K.Pending No. 16179/23 *dated* 21/6/23)

We have the honour to forward herewith an Application of MARCONI'S WIRELESS TELEGRAPH COMPANY LIMITED, of Marconi House, Strand, London, England, Electrical Engineers, for leave to file a Specification Under Part I of the Mysore Inventions and Designs Regulation 1894, in respect of an Invention for "IMPROVEMENTS IN AERIALS FOR USE IN WIRELESS SIGNALLING", and solicit the favour of your submitting the same to H.H.the Dewan.

A Deed of Assignment from Charles Samuel Franklin, the Inventor, in favour of the Applicant Company (consideration £0-5-0) and a Power of Attorney in our favour are also enclosed, and we solicit the favour of your having such Assignment stamped -/12/- and Power of Attorney Re.1/8/- respectively.

A Post Office Order for Rs.12/4/- in sent today.

We have the honour to be,
Sir,
Your very obedient servants,

Encls:-
Appln.
P/A.
Asstg

By P.O.O.-
Rs.12/4/-.

MYSORE,
APPLICATION.

IMB.

P/O (Genl.) 1,000—29-3-24, [15-6-23, - - -

Pat. 36-23

COUPON. *The remitter may write here any communication to the payee.*

Rs. 12/4/-

re MARCONI'S WIRELESS TEL:CO.LD. (MYSORE)
U.K.Pendg.No.16179/23
dated 21/6/23).

As per our letter of date 17/6/24.

Remitter.

GEN. & REV. SECRETARIAT
23 JUN 1924
INDUSTRIES & COMMERCE
BRANCH.

for
23/6/24

17

Pat. 38-23

Duplicate.

(To be returned to the General and Revenue Secretariat for being placed in the file.)

1. No. 671
2. Date of Remittance 28-6-24
3. From whom received Messrs Remfry & Sons
4. Date of receipt of amount in the General and Revenue Secretariat 23/6/24
5. On what account Application fee in respect of invention No 13/23-24
6. Amount (in figures and words) Rs. 100 one
7. The head to which it should be credited.

(To be filled in by the Treasury.)

S. Narayana Rao

for Secretary to Government,
Rev ~~General~~ Department.

29 The above amount has been duly received and credited in the Treasury on this date.

Date

STATE HUZUR TREASURY
JUN 28 1924
MADRAS

H. Accts. *Treasurer.* *Try. Officer.*

V. B. Both the counterfoil and the duplicate to be remitted to the General and Revenue Secretariat duly signed by the Treasury Department.

G.R. S. VI—G/32]

SUBJECT.....

.....

.....

Diary No. of letter replied to——————

General and Revenue Secretariat
( )
, the *191* .

Date of issue 26/6/24.

Signed by M. S. Narayan
Asst

Section Pat
File No. 36-23
Serial No. 2

No. 1.C 7853

To
Messrs Rempfry & Son
Calcutta

Gentlemen,

Sir,

I am directed to acknowledge your letter No. —— dated 17-6-24 forwarding an application for leave to file a specification in respect of an invention No. 13/23-24 for "Improvements in Aerials for use in Wireless Signalling" by Marconi's Wireless Telegraph Co. Ltd and to state that the application will receive attention.

I am also to acknowledge the receipt of the sum of Rs. 12/4/— remitted on account of application and stamp fees in respect to the above application.

Your ~~over~~ faithfully,

24.6.24

For Secretary to Government.
Rev ~~General~~ *Department.*

G. R. S. VI.—5-v/16]

DRAFT.

SUBJECT..... 1 U

.....

.....

Section. Pat
File No. 36-23
Serial No. 3

Diary No. of letter replied to.....

No. 1.C.785/Eng as per flag Pat Papers.

To

The Dir:
of I. & C.

GENERAL AND REVENUE SECRETARIAT,
( )
, *the*.....*191* .

Has the honor to forward herewith for report under Sec. 6, Cl. (2) of the Mysore Inventions and Designs Regulation, XI of 1894, an application ~~for~~ No. 13 of 23-24 for leave to file a specification No. 13 of 23-24 of an invention for "Improvements in Apparatus for use in wireless Signalling by Marconis Wireless Telegraph Co Ltd London

Date of issue... 26/6/24.

Signed by Mr. S. Narasinga Rao

By Order,

VS
24.6.24

for *Secretary to Government.*

Rev. Dept.

G. R. S. VI—s·v/14.

DRAFT.

SUBJECT.....

.....

.....

Sent with Krishnan's D.O. 7-7-24

Section. Pat
File No. 36-23
Serial No. 4

Diary No. of letter replied to.....

I.C 7856/Pat Two

GENERAL AND REVENUE SECRETARIAT
( )
, the *191*

To

The Registrar
of Stamps in
Mysore

Date of issue.....2/7/24.....

Signed by.....M. S. Warrington.....
Asst

Has the honor to forward herewith a ~~Power of Attorney~~ deed of assignment executed by ...Messrs. Marconi's Wireless Telegraph Company, Ltd. London constituting Messrs: Renfrey & Co. Calcutta as Agents in respect of ~~his~~ their invention No. 13/23-24 for..."Improvements in Aerials for use in Wireless Signalling" and to request that the same may be impressed with the Mysore General Stamp of the value of Rupee One ~~also~~ herewith forwarded, and ~~the Power~~ returned to this office.

annas twelve & annas eight respectively

By Order,

2/7/24

2 Asst

For ~~Chief~~ Secretary to Government.

No 3 Enc 2

Office of the Superintendent of Stamps
in Mysore, Bangalore Dt/ 1st July
1924

66258

From,

C. J. Hanumanthu Rao, Esq., B.A., B.L.,

Superintendent of Stamps

Mysore, Bangalore

Pal- 36-23-5

D 37

GEN. & C. J. SECTT. MYSORE

3-JUL 1924

INDUSTRIES & COMMERCE BRANCH.

To,

The Offg Secretary,
to the Govt. of Mysore,
Revenue Department
Bangalore

Sir,

I have the honor to return herewith duly stamped the Power of attorney and a deed of Assignment forwarded with your No: J. C. 7856 dated 26th Instant

36-23-12

An acknowledgment is requested

I have the honor to be
Sir
Your most obedient servant

H Hanumanthu Rao

Superintendent of Stamps.
in Mysore.

1-8-

Invention No 13/23-24

(13)

POWER OF ATTORNEY

In the matter of the Invention and Designs Regulation, 1894, of the Government of Mysore, and in the matter of Marconi's Wireless Telegraph Company, Limited, of Marconi House, Strand, London, England, Electrical Engineers, assignees of inventor.

We, the above named, Marconi's Wireless Telegraph Company, Limited, do hereby retain, constitute and appoint the Partners or Parnet or representatives or representative for the time being of the Firm of REMFRY & SON, Patent and Trade-Mark Attorneys, of Calcutta, British India, -- as our agents and attorneys to apply for and obtain from the Government of Mysore and keep in force an exclusive privilege or letters patent for "Improvements in aerials "for use in wireless signalling", and we authorise them to sign our name to such papers and writings, and do such acts regarding the same. including the appointment of a substitute or substitutes as may be necessary or expedient.

Dated this 13 day of May 1924.

The Common Seal of Marconi's)
Wireless Telegraph Company,)
Limited, was hereto affixed)
in the presence of:-)

Directors

Secretary

0-B-

1/8

ASSIGNMENT. Invention 2nd 13-23

I, CHARLES SAMUEL FRANKLIN, of St. Michaels, Westbury Lane, Buckhurst Hill, Essex, England, Electrical Engineer, do hereby declare that I am the inventor of an invention entitled "Improvements in aerials for use in wireless "signalling", and that in consideration of the sum of Five shillings, in hand paid to me, I do hereby assign all my right, title and interest of and in the said invention, so far as the State of Mysore is concerned, to Marconi's Wireless Telegraph Company, Limited, of Marconi House, Strand, London, England, Electrical Engineers, with full power to apply for and obtain letters patent for the same in the said State in their own name.

Witnesses:-

Dated this 13 day of May 1924

Charles Samuel Franklin

37

From W.S. Rev

THE ~~CHIEF~~ SECRETARY TO THE
GOVERNMENT OF HIS HIGHNESS
THE MAHARAJA OF MYSOR

Pol - 36-23-6

To

The Superintendent
of Stamps

Dated 5/7/74

No. 1.C69 / Pol. 36.23.

Has the honor to acknowledge the receipt of the Power of Attorney ~~duly~~ executed, assignment duly impressed with the Mysore Stamp, and returned with your letter No. 3 dated 1/2 July 1974.

Dated 5/7/74
Received by Mr. S. Narayana Rao

By Order,

3.7.74

For ~~Chief~~ Rev Secretary to Government.

For 31-23 Pat. 36.23.7

16

TELEGRAPHIC ADDRESS "INDUS COM."

In reply please refer to
No. C. 118. C

Encs application and asketch

GOVERNMENT OF MYSORE.
DEPARTMENT OF INDUSTRIES AND COMMERCE.
OFFICE OF THE DIRECTOR,

Dated, Bangalore the 1st August 1924.
2nd

GEN. & REV. SECRETARIAT
C 616
1 - AUG 1924
INDUSTRIES & COMMERCE
BRANCH.

FROM

P. G. D'SOUZA, ESQ., B.A., B.L.,
Director of Industries and Commerce in Mysore
Bangalore (India)

To

K. V. Anantaraman, Esq, B.A.,
Secretary to Government,
Revenue Department,
Bangalore.

SIR,

Reference:- Your letter No. I.C.7857 dated 26th June 1924.
Pat. 36.23

With reference to above, I have the honour to state that leave may be granted to file a specification of an Invention for " Improvements in aerials for use in wireless signalling."

The application is herewith returned.

I have the honour to be,

Sir,

Your most obedient servant,

DIRECTOR.

P.L.E. 190 Vol II - Pat 36/23 Imp

12 23.25.

APPLICATION

TO THE DEWAN OF MYSORE:

The application of Marconi's Wireless Telegraph Company, Limited, of Marconi House, Strand, London, England, Electrical Engineers, for leave to file a specification under Part I of the Mysore Inventions and Designs Regulation 1894.

1. The applicants are in possession of an invention for "Improvements in aerials for use in wireless "signalling"; they are the assignees of Charles Samuel Franklin, of St. Michaels, Westbury Lane, Buckhurst Hill, Essex, England, Electrical Engineer, and to the best of their information and belief the invention is new within the meaning of Part I of the Inventions and Designs Regulation 1894, and no circumstance exists, which, if the applicants are authorised to file a specification and file it in accordance with that Part, will disentitle them to an exclusive privilege thereunder in respect of the invention.

The applicants have applied for a patent in the United Kingdom in respect of this invention, No.16179, dated the 21st. June, 1923, see Illustrated Official Journal (Patents) No.1797, page 934, and No.22484, dated 6th. September, 1923, see Illustrated Official Journal (Patents) No.1808, page 1331, these applications being included in one complete specification filed 22nd. April 1924 (not yet accepted)

The applicants have not applied for a patent in British India in respect of this invention.

2. The following is a description of the invention:-

This invention relates to improvements in aerials for use in wireless signalling and is particularly applicable for use with short waves.

According to the present invention an aerial is constructed of a number of vertical wires or rods spaced a fraction of a wave length apart in a plane which is at right angles to the desired direction of working. The wires or rods are connected together at the top and bottom and each rod together with the wires connecting it to the top and bottom of the next rod is in tune with the waves to be used when in its position in the aerial.

Such an aerial can be extended indefinitely without appreciably affecting the tune. By making this system of a length which is several times the wave length of the waves employed very sharp transmission or reception in a horizontal plane is obtained, the directional effect being a function of the length of the aerial relative to the wave length. Moreover, by arranging two or more such aerials or units one above another and feeding them from a common supply, sharp directional effects in the vertical plane also can be obtained.

The invention is illustrated by the accompanying diagrams. Figure 1 is a front view showing a system comprising two such units suspended from masts A A.

Figure 2 is a view to a larger scale and showing the means for feeding current to a unit for transmission. BB are vertical wires connected at their tops and bottoms by horizontal wires C D E F.

Each of the two units, as associated, is in tune in the vertical direction with the wave to be transmitted or received. The two units are coupled together electrostatically through the small condensers G. In practice the capacity between the wires D E is usually sufficient as a coupling condenser Two, three, or more systems can be used above each other, each coupled to the one above it electrostatically, or in an equivalent manner.

Oscillations produced in any one of the units will then produce oscillations in the units above and below. The lengths of the vertical members and the coupling capacities should be so adjusted that the currents are in the same phase in each system.

Such an aerial system is capable of extension in the vertical and horizontal directions without affecting appreciably the natural tune of the aerial If fed correctly from a transmitter the currents in all the vertical members of the aerial will all be in the same phase, and the aerial will radiate two "beams" in opposite directions, and at right angles to the plane of the aerial The concentration of the radiation is a simple function of the dimensions of the aerial both vertically and horizontally.

It is desirable that no oscillations in the aerial in the horizontal direction should be allowed as these would represent a loss of energy. The aerial may be separated into sections, as, for instance, by breaks in the horizontal wires; or resistances H, inserted in the horizontal members will suppress any such oscillations.

In order to produce currents of substantially the same phase and intensity in all the vertical wires of such a system which is large compared with the wave length power should be fed to it at a number of points simultaneously. The feeding points should not be more than one wave length apart, and are preferably about half a wave length apart.

The alternating E.M.Fs impressed at each feeding point should all be of the same phase and intensity. This result may be attained by leading a cable from each feeding point to the generator, and arranging that the length of this cable from each point to the generator is the same.

Figure 2 shows one arrangement for feeding. F is the bottom horizontal wire. J,K,L,M are equally spaced feeding points which are connected through condensers N and the secondaries of transformers P to earth or a balancing capacity. The primaries of the transformers P are all connected to a cable Q. Separate cables of equal length, or equivalent length electrically may be used, or they may be connected as shown so that the length from any transformer to the generator is the same. It is necessary for efficient working that no reflection of the oscillations transmitted through the cable by the generator should take place at the feeding points. This can be attained by arranging the ratio of the transformers so that the effective resistance of each portion of the aerial fed by the transformer as applied to the cable is equal to the critical resistance required at the cable terminals to prevent reflection. Under these conditions,

no reflections will take place, and no stationary wave effects will be produced in the cables.

Cables built up of parallel tubes or rods like a Lecher wire system and enclosed in metal conduits are best and give a very high efficiency. It is sometimes convenient to insert the transformers in the centre of the vertical portions of the aerial, and if the resistance of the aerial is equal or nearly equal to the critical resistance of the cable, the cable may be directly connected in the vertical members without having recourse to transformers. The secondaries of the transformers may also be inserted between the sections of the aerial, e.g. between the wires D and E (see figure 1).

It has been found that two aerial systems such as are illustrated in figure 1 arranged in parallel planes one behind the other and spaced a quarter wave length or an odd multiple of a quarter of a wave length apart may be used. If one is used as a transmitter the other functions as a reflector and unidirectional transmission or reception with any desired degree of concentration is obtained. In this combination the transmitting aerial may if desired be smaller in height than the reflecting aerial. As the reflecting aerial does not require any power feeding arrangements it may easily be extended vertically several wave lengths and great concentration in the vertical direction may thus be obtained. One possible arrangement is a transmitting aerial of low height compared with the wave length in combination with a reflector high compared with the wave length arranged in the form of a

cylindrical parabola with its focal line horizontal and coincident with the transmitting aerial.

As a practical indication of the dimensions and results to be obtained from such aerials as described the following are given:-

For an aerial as shown in figure 1, a practical horizontal spacing between the vertical members is 1/8 of the wave length and for this spacing the distance between the horizontal members (i.e. the distance C.D. or E.F.) is about one third of the wave length. Using a combination of a transmitting aerial and reflecting aerial each one square wave length in area the energy radiated or received on a line at right angles to the aerial is ten times that which would be radiated or received by an ordinary aerial radiating the same total energy. Also for aerials of more than one square wave length the effect is practically proportional to the area.

An aerial of 10 square wave lengths will give 100 times the energy in the required direction, and would receive from that direction 100 times the energy received by an ordinary aerial. The combination at both the transmitting and the receiving station of aerials of 10 square wave lengths provided with reflectors will give 10,000 times the energy obtained with ordinary aerials. If the aerials are one wave length high and ten wave lengths wide practically no energy will be radiated or received outside an angle of 5^{o} to 7^{o} from the direction joining the station.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is:-

1. An aerial for directional wireless telegraphy and telephony comprising a number of vertical rods or wires connected together by horizontal wires combined with means for simultaneously supplying oscillations in the same phase to the aerial at a number of equidistant points.

2. An aerial for directional wireless telegraphy and telephony made of a number of units assembled one above another and coupled together, each unit comprising a number of vertical rods or wires connected together by horizontal wires, substantially as described.

3. An aerial according to claim 1 or 2 and having resistances inserted at points along the horizontal connecting wires to prevent oscillations taking place in the aerial in the horizontal direction while allowing oscillations in the vertical direction.

4. The combination of an aerial according to claim 2 or 3 with a cable feeder system for simultaneously supplying oscillations in the same phase to a number of equidistant points in the aerial.

5. The combination of two aerials as described in any of the preceding claims, arranged parallel to one another, one aerial acting as a transmitting aerial, and the other as a reflecting aerial for the purpose of obtaining unidirectional working as described.

6. The combination of an aerial as described in claims 1, 2, 3 and 4, and a similar aerial without any

feeder system as a reflector, the reflecting aerial being of the same size or larger than the transmitting aerial.

7. An aerial according to any of the preceding claims in which each rod together with the wires connecting it to the top and bottom of the next rod is when in position in the aerial in tune with the waves to be used.

3. The applicants, therefore, apply for leave to file a specification of the invention pursuant to Part I of the Inventions and Designs Regulation 1894.

Dated this 13th day of May 1924

The Common Seal of Marconi's Wireless Telegraph Company Limited was hereto affixed in the presence of

Seal

Alice Ogle, Secretary

Directors.

I, Alice Ogle, Secretary of and on behalf of Marconi's Wireless Telegraph Company, Limited, the applicants above named, do declare that the facts stated in this application are true to my knowledge, except as to matters stated on information and belief, and as to those matters, I believe them to be true.

Dated this 13th day of May 1924.

Alice Ogle

Fig. 1.

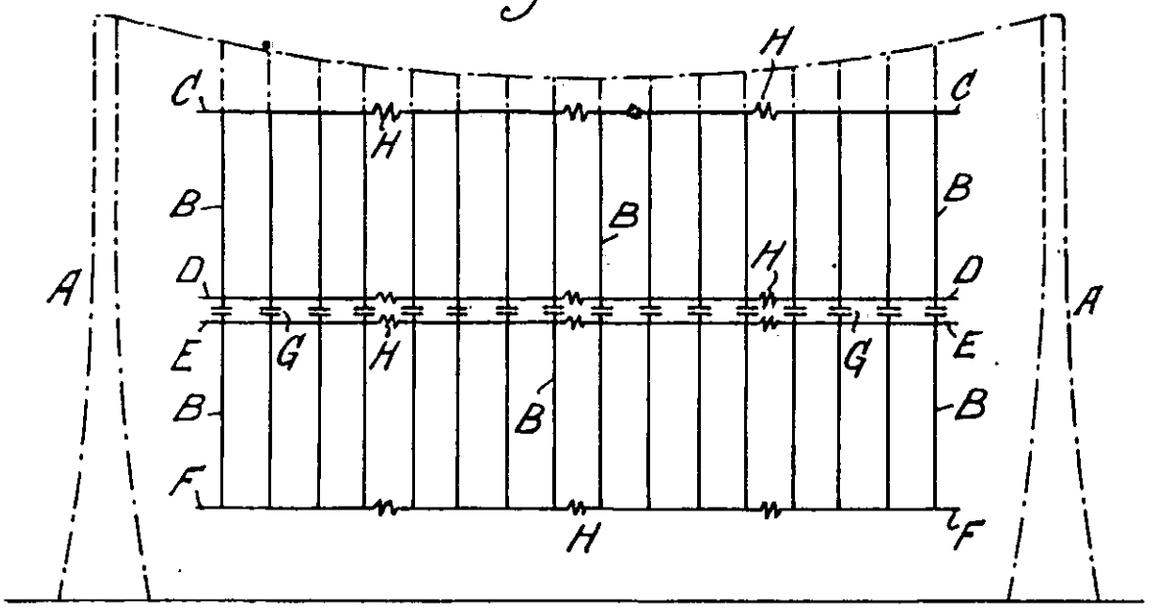
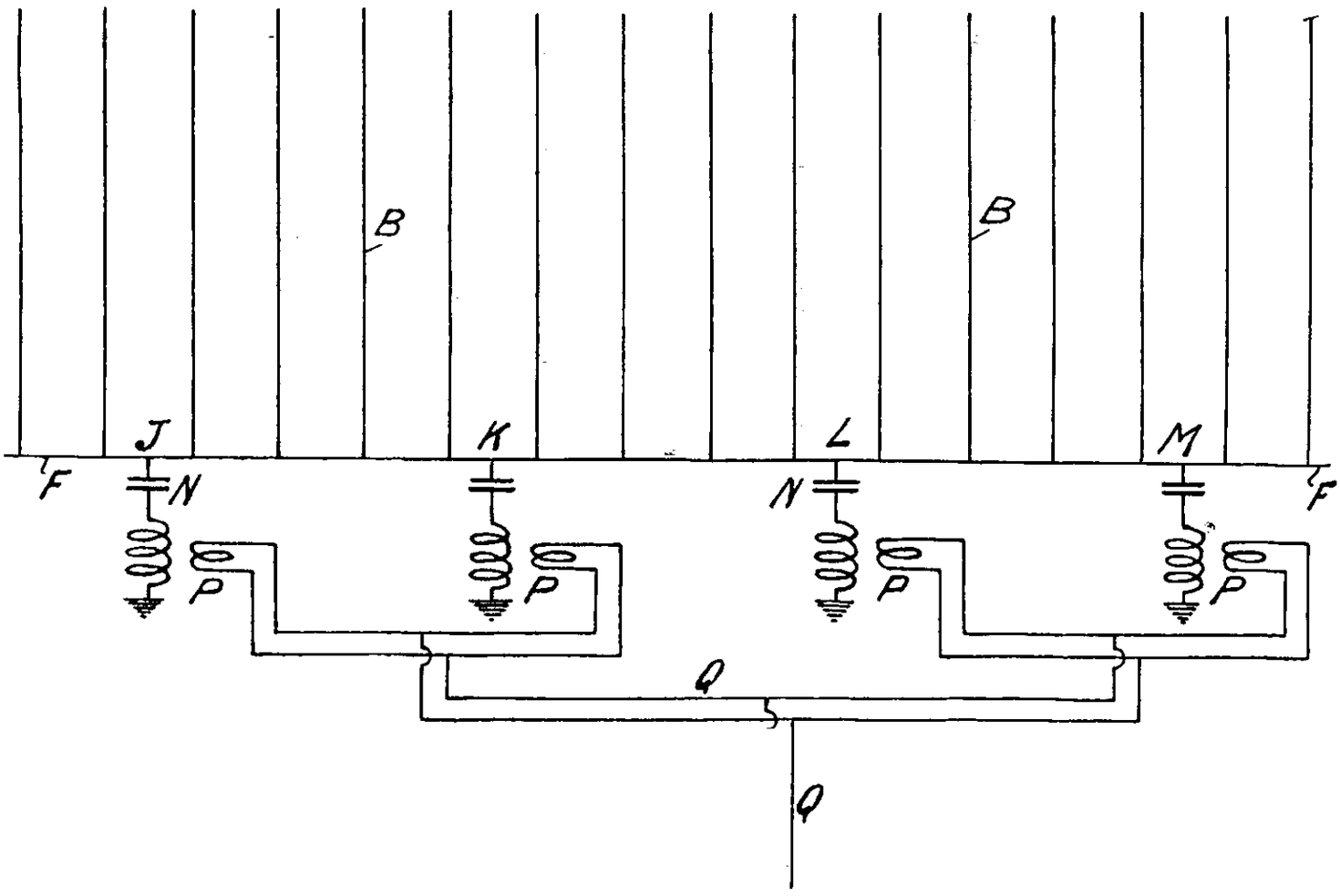


Fig. 2.



Pat. 36-23-8

G. R. S.VI—s.-v/21]

Government of Mysore.

GENERAL DEPARTMENT. 1 C 125-51

Register No. 13 **of 19** 23

Bangalore, the 22/8/ *19*

WHEREAS an application, dated the 17th June 1924 and received on the 23rd June 1924, has been submitted under Section 5 of the Mysore Inventions and Designs Regulation, 1894, by Marconi's Wireless Telegraph Company, Ltd., London

(hereinafter referred to as "the applicant") for leave to file a specification of an invention ~~for~~ no. 13-23 for "Improvements in aerials for use in wireless signalling

And whereas the applicant has duly complied with all the requirements of Section 5 of the said Regulation;

The Government of Mysore are pleased, under Section 6 of the said Regulation, to authorize the applicant to file a specification of the said invention in accordance with the provisions of the said Regulation.

ORDERED, that the applicant be, and he is hereby, informed accordingly.

By Order of the Government of Mysore,

SMR 6/9

for Secretary to the Govt. of Mysore,
Rev. ~~General~~ Department.

Certified that the fees prescribed in the fourth schedule to the Mysore Inventions and Designs Regulation, 1894, in respect of the application for leave to file the said specification and of the filing thereof have been paid by the applicant, and that the specification hereinbefore described has been duly filed in accordance with the provisions of Section 8 of the said Regulation on this the ..... day of 9th October 1924

SMR 5/9

for Secretary to the Govt. of Mysore,
Rev. ~~General~~ Department.

(Section 8 of the Inventions and Designs Regulation, 1894.)

8. (1) If within six months from the date of an order under Section 6, Sub-Section (1), or within such further time, not exceeding three months, as the Government of Mysore, in its discretion, may, on cause shown to its satisfaction and on payment of the fee prescribed in that behalf in the fourth schedule, see fit to allow, the applicant causes a specification of his invention to be filed in manner by this Part required, and the fee prescribed in the fourth schedule in respect of the filing of the specification to be paid, the applicant shall, subject to the other provisions of this Part, be entitled to the exclusive privilege of making, selling and using the invention in the Territories of Mysore, and of authorizing others so to do, for a term of fourteen years from the date of the filing of the specification.

(2) But an exclusive privilege in respect of an invention of a new manufacture shall, notwithstanding anything in Sub-Section (1), cease, if the inventor fails to pay, within the time limited in that behalf by the fourth schedule, any fee prescribed in that schedule in respect of the continuance of the privilege.

(3) If, nevertheless, in any case, by accident, mistake, or inadvertence, an inventor fails to pay any such fee within the time so limited, he may apply to the Government of Mysore for an enlargement of the time for making the payment.

(4) Thereupon the Government of Mysore may enlarge the time accordingly, on payment of the fee prescribed in that behalf in the fourth schedule, and subject to the following conditions, namely :—

(*a*) the time for making a payment shall not in any case be enlarged for more than three months ; and

(*b*) if any suit is instituted in respect of an infringement of the exclusive privilege committed after a failure to make a payment within the time limited for the making thereof and before the enlargement of that time, the Court disposing of the suit may, if it thinks fit, refuse to award or give any damages in respect of the infringement.

W D 02300—GPB - 500—24-11-16

G. R. S. VI—s-v/13]

DRAFT.

SUBJECT.....

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Section. Pat
File No. 36-23
Serial No. 9

No. I.C 1260/Pat Sec

Diary No. of letter replied to 618

To

Messrs Rempfry & Son
Calcutta.

GENERAL AND REVENUE SECRETARIAT,
( )
, *the*.....191 ..

GENTLEMEN,

With reference to your letter ~~No.....~~
dated the 17th June 1926
I am directed to forward herewith G. O. I.C 1259
No. G. / G. M. dated the 22/8/24
191 , authorizing Marconi's
Wireless Telegraph Co
London
to file a specification of an invention ~~for~~
no. 13-23 for "improvements
in aerials for use in
wireless signalling"
and to request that the fact may be communicated to the party concerned.

I have, etc.
Enrs Faithfully

Date of issue 22/8/24

Signed by Sd/ C R Reddy

SMR 6/8

for Secretary to Government.

Rev. Dept

KV 28

12523 REGISTERED

To

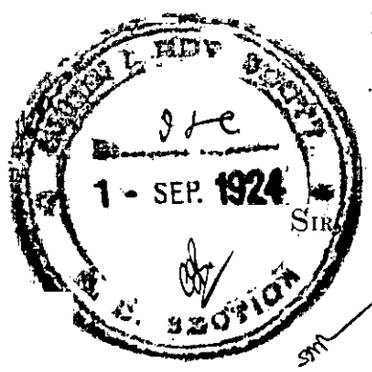
THE ~~CONTROLLER OF PATENTS~~, SECY TO THE GOVT OF MYSORE
~~PATENT OFFICE~~, GENL. & REV. DEPTS
~~CALCUTTA.~~ BANGALORE

FROM MYSORE.

Pat- 36-23-40

REMFRY & SON,
PATENT & TRADE-MARK ATTORNEYS,
CALCUTTA.

Dated CALCUTTA, the 27th August 1924.



A1159

DEPT.	P.	FILE LR.	M.
FILE INDICATION.			
Mysore Pats. (Genl)			

SIR,

re MARCONI'S WIRELESS TEL:CO.LD. (MYSORE)

No. 13/23-24 *dated* --

(U.K.Pending No. 16179/23 dated 21/6/23.

Pursuant to the Order granting Leave in this matter dated 22/8/24, Register No. 13/23-24, we have the honour to forward herewith 4 copies of the Specification duly signed by the Applicants MARCONI'S WIRELESS TELEGRAPH COMPANY LIMITED, Marconi House, Strand, London, England, Electrical Engineers, in respect of its Invention for "IMPROVEMENTS "IN AERIALS FOR USE IN WIRELESS SIGNALLING".

The abovementioned Order is enclosed and we solicit the favour of your filling in the Certificate at foot thereof and having same signed.

A Post Office Order for Rs.30/-/- is sent today.

We have the honour to name our Office in Calcutta as address for service under the Act.

We have the honour to be,
Sir,
Your very obedient servants,

Enclos:-
4 Specns.
Order.

By P.O.O.
Rs. 30/-/-.

IMB.

P/O (Genl.) 1,000—29-3-24, [15-6-23, ... 17-3-11.]

COUPON. The remitter may write here any communication to the Payee.

Re. 30/-/-.

re MARCONI'S WIRELESS TEL:CO.LD. (MYSORE) No.13/23-24 dated -- (U.K.Pdg.No.16179/23 dated 21/6/23).

As per our letter of date 27/8/24.

Remitter

Pat. 88 - 23

Duplicate.

(To be returned to the General and Revenue Secretariat for being placed in the file.)

1. No. 6.87.
2. Date of Remittance 9-9-24
3. From whom received Messrs. Remfry & Sons, Calcutta
4. Date of receipt of amount in the General and Revenue Secretariat 1-9-24
5. On what account Filing fee in respect of invention No. 13/23
6. Amount (in figures and words) Rs. 30/- Thirty rupees only
7. The head to which it should be credited.

(To be filled in by the Treasury.)

S. Narayana Rao

for *Secretary to Government,*

Per ~~General~~ *Department.*

STATE TREASURY SEP 9 1924 BANGALORE

The above amount has been duly received and credited to the Treasury on this date.

Date

Hd. Acctt. *Treasurer* *Try. Officer.*

N. B.—Both the counterfoil and the duplicate to be returned to the General and Revenue Secretariat duly signed by the Treasury Department.

GOVERNMENT OF HIS HIGHNESS THE MAHARAJA OF MYSORE

General and Revenue Secretariat

Dated Bangalore, 9/9/ *1920.*

No / pal- 36-23-11

NOTIFICATION.

[PATENT]

No. 13-23

The following specification of an invention has been filed in accordance with sections 8, 9, 10 and 11 or Regulation XI of 1894 (The Inventions and Designs Regulations) and is open to inspection at the Mysore Government Secretariat on application to the Chief Secretary to the Government of His Highness the Maharaja or Mysore, and on payment of a fee of one rupee.

For "improvements in aerials for use in wireless signalling" by Marconi's Wireless Telegraph Co, Ltd, London

By Order

S N R

Rev

~~Chief~~ *Secretary to Government.*

To

The Compiler, Mysore Gazette.

A121

G. R. S. VII—s-v/18]

GOVERNMENT OF HIS HIGHNESS THE MAHARAJA OF MYSORE.

GENERAL AND REVENUE SECRETARIAT.

Dated Bangalore, 9/9/ 1924

No. I.C 1758 / Pat- 36-23-12

FROM

The offg *Secretary to the Government of H. H. the Maharaja of Mysore,*
Rev. Dept

To

Messrs Rumfrey & Son
Calcutta.

Gentlemen
~~Sir~~,

With reference to your letter dated 27-8-24 I am directed to forward copy of a Notification No. I.C 1757 / Pat- 36-23-11 dated 9/9/24 issued by this Government in regard to the invention filed by you under Regulation XI of 1894 (The Inventions and Designs Regulations.) No. 13-23

The order granting permission to file specification is herewith returned' with the certificate at foot, duly filled in and signed.

I have the honor to be,
~~Sir~~,
Your most obedient servant,

SNR 5/9

for *Secretary to Government.*
Rev Dept

WD 02297—GPB—250—4-2-18

G. R. S. VI.—s-v/12]

Encl 5

DRAFT.

SUBJECT.....

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.....

Section. Pat
File No. 86-23
Serial No. 13

Diary No. of letter replied to.....

No. 1C.1759-61/Sec 4 and Encl.

GENERAL AND REVENUE SECRETARIAT,
( )
, *the*.....191

(1) The Superintend
(2) *The Chief Engineer of Mysore.*
(3) ..... Dir. of Stores

Date of issue 9/9/24.

Signed by J. C. Nanjappa

Has the honor to forward herewith for record in his office copy of a specification of an invention ~~for~~ no 13/23 for "improvements in aerials for use in wireless signalling by Marconis Wireless Telegraph Co Ltd London

By Order,

SM 5/9

for *Secretary to Government.*

Rec'd 29/-